



LARGE-SCALE LAND MANAGEMENT:

HABITAT RESTORATION AT THE PARKLANDS

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THEPARKLANDS.ORG

THE PARKLANDS OF FLOYDS FORK



- Donor-supported public park system in eastern Jefferson County
- Nearly 4000 acres
- Approximately 3000 acres of natural areas



A DONOR-SUPPORTED PUBLIC PARK

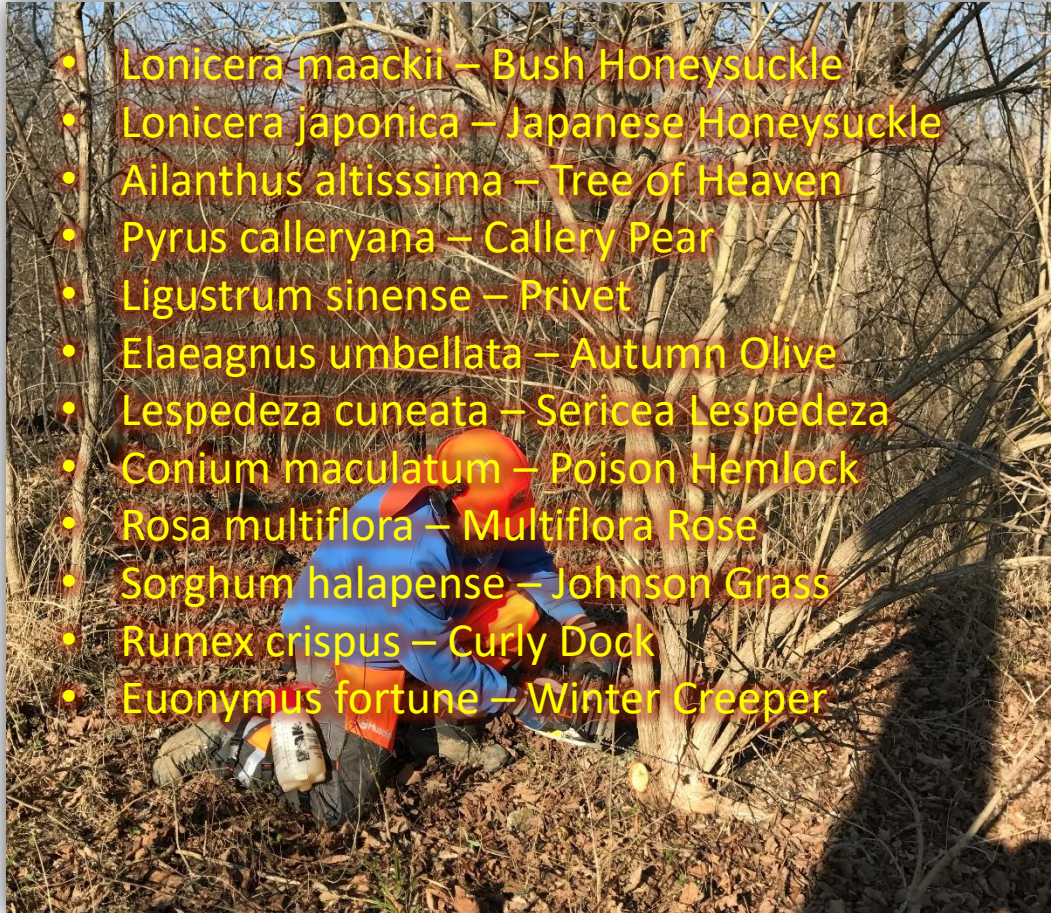
MAJOR RESTORATION EFFORTS



- Restoration goals:
 - Develop wildlife habitat
 - Promote biodiversity
 - Protect Floyds Fork watershed and water resources
 - Curate beauty
- How do we accomplish these goals?



INVASIVE SPECIES REMOVAL



- *Lonicera maackii* – Bush Honeysuckle
- *Lonicera japonica* – Japanese Honeysuckle
- *Ailanthus altissima* – Tree of Heaven
- *Pyrus calleryana* – Callery Pear
- *Ligustrum sinense* – Privet
- *Elaeagnus umbellata* – Autumn Olive
- *Lespedeza cuneata* – Sericea Lespedeza
- *Conium maculatum* – Poison Hemlock
- *Rosa multiflora* – Multiflora Rose
- *Sorghum halapense* – Johnson Grass
- *Rumex crispus* – Curly Dock
- *Euonymus fortune* – Winter Creeper

- Three primary methods:
 - Cut stump and herbicide
 - Foliar application
 - Mowing
- Natural Areas crew
- Contractors
- Grants/Programs



REFORESTATION PROJECTS



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- Tree choices
 - Native vs non-native
 - Will it grow?
 - www.plants.usda.gov
- Whips
 - KDF Nursery
- Three gallon – RPMs
 - Forrest Keeling
 - S3-3CGs
- Volunteers



RIPARIAN BUFFER EXPANSION



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- Tree and shrub plantings along stream bank
- Benefits:
 - Biofiltration
 - Erosion control
 - Prevents sedimentation
 - Wildlife habitat



MEADOW INSTALLATION



- Ground preparation
- Seed mix selection
- Contractors
- Benefits wildlife



MEADOW MAINTENANCE



- Backpack herbicide application of invasive species
- Mowing
- Burning
- Species fluctuation



RECORD KEEPING



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- Why?
 - Past projects- When? Why? Where? Who? How?
 - Future management of past projects



REPORTS AND SPREADSHEETS

Habitat Restoration Descriptive Summary

Name of Restoration Area (include which park): Acreage:

Restoration Effort:

☐ IPM ☐ Reforestation ☐ Stream Bank Restoration ☐ Meadow Installation ☐ Other
If other:

Initial Actions Taken (include dates of treatment):

Current Status of Area (include date of inspection):

Prescription for Management/Future Actions:

The Parklands of Floyds Fork Reforestation Tracking Spreadsheet

Completed Reforestation Projects

Area Reforested	Acreage	Planting Date(s)	Type of Planting	Trees Planted	Crew/Contractor	Additional Notes
Sycamore Trail Riparian Buffer	10	2012	Riparian buffer - RPMs	?	Bowling Nursery	
Settle Bottomland	5	2012	Riparian buffer, mid story - RPMs	?	?	
Creekside Paddling Access	5	2012	Hardwood, canopy trees - RPMs	?	?	
Egg Lawn near Dog Park	10	2012	?	?	?	
Boone Bottom (initial)	30	2013	Hardwood, hard mast - whips	27,000	NA Crew	
Trestle Point (north)	2	2013	Hardwood, shrubs - RPMs	?	Bowling Nursery	
Distillery Bend	5	2014	Hardwood, mid story - whips	300	NA Crew, volunteers	
Brown Bridge Drain	2	2014	Hardwood, hard mast, mid story - RPMs	350	Operations Crew, volunteers	
Boone Bottom (follow up)	5	2015	Hardwood, moisture tolerant - whips	500	NA Crew, volunteers	
Seatonville Valley	10	2015	Riparian buffer, hardwoods - RPMs	?	Eco-Tech	
Grand Allee Oak Savanna	10	2015	Hardwood, hard mast - B&B large gauge trees	100	Eco-Tech	
John Floyd Fields	10	2015	Hardwood, mid story - rootbound bags	200	NA Crew, volunteers	
Distillery Bend	5	2016	Hardwood, flowering, shrub - RPMs	118	NA Crew, volunteers	
Creekside Paddling Access	0.5	2016	Live stakes	200	NA Crew, volunteers	
Louisville Loop- BRP	1	2016	Bare root whips- redbud, dogwood	100	NA Crew, volunteers	
North Beckley Paddling Access	6	2016	Bare root whips- dogwood	300	NA Crew, volunteers	
North Beckley Paddling Access	0.5	2016	Bare root whips- bald cypress	35	NA Crew	
Gheens Trail	0.5	2016	Live stakes	200	NA Crew, Trail team	
Reforested Acreage Total:	117.5		Total Trees Planted:	29,403		

Active Reforestation Projects

Area Reforested	Acreage	Planting Date(s)	Type of Planting	Trees Planted	Crew/Contractor	Additional Notes
Broad Run	?	2016	?	?	Eco-Tech	
Grand Allee - south end	?	2016	?	?	Eco-Tech	
Grand Allee - north end	?	2016	?	?	Eco-Tech	
Projected Reforested Acreage Total:	117.5		Projected Total Tree Plantings:	29,403		

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MAPS



- Visual aid
- Combines reports and spreadsheet
- Drawn maps
- Google Earth
- GIS



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